

L35 ANSWER 211 OF 272 HCAPLUS COPYRIGHT 2006 ACS on STN
 ACCESSION NUMBER: 1990:526580 HCAPLUS Full-text
 DOCUMENT NUMBER: 113:126580
 TITLE: Enzyme-linked immunoassay for measurement of
 cyclosporin A levels in whole blood samples
 INVENTOR(S): Lau, Hon Peng Phillip; Miller, Warren Keene
 PATENT ASSIGNEE(S): du Pont de Nemours, E. I., and Co., USA
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 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 375454	A1	19900627	EP 1989-313499	19891222
EP 375454	B1	19930310		
R: CH, DE, FR, GB, IT, LI, NL, SE				
US 5151348	A	19920929	US 1988-288912	19881223
CA 2004773	AA	19900623	CA 1989-2004773	19891206
DK 8906608	A	19900624	DK 1989-6608	19891222
AU 8947273	A1	19900628	AU 1989-47273	19891222
AU 615823	B2	19911010		
JP 02226067	A2	19900907	JP 1989-331489	19891222
JP 07037983	B4	19950426		

PRIORITY APPLN. INFO.: US 1988-288912 A 19881223

AB An enzyme-linked immunoassay for the detn. of cyclosporin A levels in whole blood samples is provided based on the use of β -D-galactosidase as an enzyme label and chlorophenol red- β -D-galactopyranoside (CPRG) or resorufin- β -D-galactopyranoside (ReG) as a β -D-galactosidase substrate. Lysed whole blood sample containing cyclosporin A was added to excess β -D-galactosidase-labeled anti-cyclosporin antibody to form a labeled antibody-cyclosporin A complex. The unbound antibody was removed by immobilized cyclosporin C on a solid support. Cyclosporin A was determined by the amount of β -D-galactosidase in the complex using either CPRG or ReG as the substrate. Absorbance rates (mA/min at 577 nm) were proportional to cyclosporin A concentration

IT 129478-01-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation and immobilization of, in cyclosporin A determination in blood by ELISA)

RN 129478-01-9 HCAPLUS

CN Cyclosporin A, 7-L-threonine-, butanedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 59787-61-0

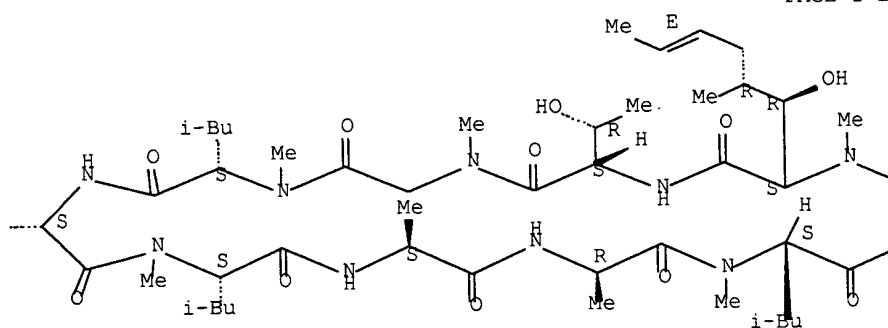
CMF C62 H111 N11 013

Absolute stereochemistry.
Double bond geometry as shown.

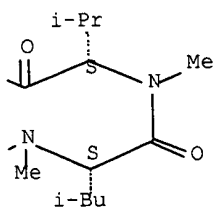
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CM 2

CRN 110-15-6

CMF C4 H6 O4

HO₂C-CH₂-CH₂-CO₂H